



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Milan Kokta, et al.

Title: SPINEL ARTICLES AND METHODS FOR FORMING SAME

Application No.: 10/669,135

Filed: September 23, 2003

Examiner: Matthew J. Song

Group Art Unit: 1722

Atty. Docket No.: 1075-BI4307

MS AMENDMENT
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Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the undersigned brings the patents, publications, applications or other information identified in the attached:

- ☒ Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449
☐ Other: n/a

to the Examiner's attention in the above-identified application. Citation of such information shall not be construed as:

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2. a representation that a search has been made, other than as described below; or
3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

For each item of information listed that is not in the English language, the undersigned has provided a concise explanation of the relevance, such as through (i) an English language abstract, (ii) an English language equivalent application, (iii) reference to discussion in the application, or (iv) if cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action that indicates the degree of relevance found by the foreign office.

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| Elise K. Dougherty Typed or Printed Name | <u>E. K. Dougherty</u> Signature |

11/08/2005 SDENB081 00000009 502463 10669135
01 FC:1806 180.00 DA

STATEMENT UNDER 37 C.F.R. § 1.704(d)

If the above-identified application is an original application filed on or after May 29, 2000:

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FEES DUE


This Information Disclosure Statement is being filed:

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- ☐ before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.
- ☐ during the period specified in § 1.97(c). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application not more than three months prior to the filing of this Information Disclosure Statement.
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Should any PTO fees be necessary for entry of this Information Disclosure Statement, the undersigned hereby authorizes the Commissioner to charge Deposit Account 50-2469.

Date 11/2/01

Respectfully submitted,

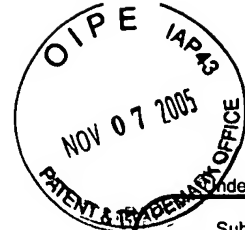


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LIST OF RELATED APPLICATIONS

| <u>Application No.</u> | <u>Filing Date</u> | <u>Applicant(s)</u> | <u>Docket No.</u> |
|------------------------|--------------------|---------------------|-------------------|
| 11/065,397 | 02/24/05 | Tanikella, et al. | 1075-BI4345 |



PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

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Sheet 1 of 13

Complete if Known

| | |
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| Application Number | 10/669,135 |
| Filing Date | 09/23/2003 |
| First Named Inventor | Milan Kokta |
| Art Unit | 1722 |
| Examiner Name | Matthew J. Song |
| Attorney Docket Number | 1075-BI4307 |

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
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Sheet 2 of 13**Complete if Known**

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| | E3 | US- | | | |
| | F3 | US- | | | |
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| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
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| Application Number | 10/669,135 |
| Filing Date | 09/23/2003 |
| First Named Inventor | Milan Kokta |
| Art Unit | 1722 |
| Examiner Name | Matthew J. Song |
| Attorney Docket Number | 1075-BI4307 |

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U. S. PATENT DOCUMENTS

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| | P6 | US- | | | |
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| | R6 | US- | | | |
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|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
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| | Y6 | JP 2003-124151 | 04/25/2003 | Disco KK | English Abstract Only | |

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| Application Number | 10/669,135 |
| Filing Date | 09/23/2003 |
| First Named Inventor | Milan Kokta |
| Art Unit | 1722 |
| Examiner Name | Matthew J. Song |
| Attorney Docket Number | 1075-BI4307 |

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| | Y7 | JP 2004-006867 | 01/08/2004 | Matsushita Denki Sagyo KK | English Abstract Only | |

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Sheet 8 of 13

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| | S8 | US- | | | |

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| | W8 | SU 1781271 | 12/15/1992 | Krasy Poly (Kypo) | English Abstract Only | |
| | X8 | TW 550836 | 09/01/2003 | Ind. Tech. Res. Inst. | English Abstract Only | |
| | Y8 | WO 2000/68332 | 11/16/2000 | MPM Ltd. | English Abstract Only | |

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| First Named Inventor | Milan Kokta |
| Art Unit | 1722 |
| Examiner Name | Matthew J. Song |
| Attorney Docket Number | 1075-BI4307 |

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| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | T9 | WO 2002/92674 | 11/21/2002 | US Sec of Navy | English Abstract Only | |
| | U9 | WO 2004/33769 | 04/22/2004 | Unisearch Ltd. | English Abstract Only | |
| | V9 | | | | English Abstract Only | |
| | W9 | | | | English Abstract Only | |
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| | | | | Examiner Name | Matthew J. Song |
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| NON PATENT LITERATURE DOCUMENTS | | | |
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| | | | | First Named Inventor | Milan Kokta |
| | | | | Art Unit | 1722 |
| | | | | Examiner Name | Matthew J. Song |
| Sheet | 11 | of | 13 | Attorney Docket Number | 1075-BI4307 |

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| | J11 | Lakew, B., et al., "High Tc Superconducting Bolometer on Chemically Etched 7 Micrometer Thick Sapphire", NASA, 1997, 21 pgs. (ABSTRACT ONLY) | |

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| | | | | Examiner Name | Matthew J. Song |
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| | I12 | Cullen, G., "The Preparation and Properties of Chemically Vapor Deposited Silicon on Sapphire and Spinel", JOURNAL OF CRYSTAL GROWTH, Vol. 9, pgs 107-125, 1971. (ABSTRACT ONLY) | |
| | J12 | Liu, L., et al., "Substrates for Gallium Nitride Epitaxy", MAT. SCI. & ENG. REPORTS, Vol. R37, No. 3, pgs 61-127, 2000. (ABSTRACT ONLY) | |

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | 10/669,135 |
| | | | | Filing Date | 09/23/2003 |
| | | | | First Named Inventor | Milan Kokta |
| | | | | Art Unit | 1722 |
| | | | | Examiner Name | Matthew J. Song |
| Sheet | 13 | of | 13 | Attorney Docket Number | 1075-BI4307 |

| NON PATENT LITERATURE DOCUMENTS | | | |
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| | A13 | Khattak, C., et al., "Production of Sapphire Blanks and Substrates for Blue LEDs and LDs", MAT. RES. SOC. SYMP. - PROCEEDINGS, V. 743, pgs 219-224, 2002. (ABSTRACT ONLY) | |
| | B13 | Gutsche, H., et al., "Polishing of Sapphire with Colloidal Silica", JOURNAL OF THE ELECTROCHEMICAL SOCIETY, Vol. 125, No. 1, 1978, pgs 136-138, 1978. (ABSTRACT ONLY) | |
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| | D13 | Duffy, M., et al, "Method to Determine Quality of Sapphire, (NOTE) Interim Rept.", RCA Labs, 1975, 88 pgs. (ABSTRACT ONLY) | |
| | E13 | Horie, S., et al., "Precision Grinding of Semiconductor - Related Materials", (JOURNAL) NEW DIAMOND, Vol. 20, No. 2, pgs 8-13, 2004. (ABSTRACT ONLY) | |
| | F13 | Edgar, J., et al., "Substrates for Gallium Nitride Epitaxy", MAT. SCI. & ENG., PART R, Vol. R37, No. 3, pgs 61-127, 2002. (ABSTRACT ONLY) | |
| | G13 | Author Unknown, "Specifications for Polished Monocrystalline Sapphire Substrates" 1996, Affiliation (Issuing Organization) SEMI Semiconductor Equipment & Materials International, USA. (Bibliographic Entry Only). | |
| | H13 | Search Report for Technical Articles (Including various Abstracts of certain Identified References) | |
| | I13 | | |
| | J13 | | |

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